

Abstract

A fuel injection valve for internal combustion engines, having a valve body (1) in which a pistonlike valve needle (5) is disposed in a bore (3). The bore (3) is defined on its end toward the combustion chamber by a valve seat (9), which cooperates with a valve sealing face (7) embodied on the valve needle (5), so that by the longitudinal motion of the valve needle (5), the opening of at least one injection opening (11) embodied on the end toward the combustion chamber of the valve body (1) is controlled. On the valve sealing face (7) and/or on the valve seat (9), microscopic indentations are embodied (Fig. 2).